

<110> Van Der Kooy, Derek Tropepe, Vincent

<120> Primitive Neural Stem Cells and Method for Differentiation of Stem Cells to Neural Cells

<130> 2223-110

<150> US 60/2'36,394

<151> 2000-09-29

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Emx2: sense

<400> 1

gtcccagctt ttaaggctag a 21

<210> 2

<211> 23

```
<212> DNA
```

<213> Artificial Sequence

<220>

<223> antisense

<400> 2 cttttgcctt ttgaatttcg ttc 23

<210> 3

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> HoxB1: sense

<400> 3

ccggaccttc gactggatg
19

<210> 4

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense

<400> 4

ggtcagaggc atctccagc

19

```
<210> 5
```

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Otx1: sense

<400> 5

tcacagctgg acgtgctcga 20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense

<400> 6

gcggcggttc ttgaaccaaa 20

<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Six3: sense

<400> 7

cgcgacctgt accacatcct

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense

<400> 8 gccttggcta tcatacgtca 20

<210> 9

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Brachyury: sense

<400>

agtatgaacc tcggattcac 20

<210> 10

20 <211>

<212> DNA

<213> Artificial Sequence

<220>

```
<223> antisense
```

- <210> 11
- <211> 20
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> GATA4: sense
- <400> 11 agcctacatg gccgacgtgg 20
- <210> 12
- <211> 20
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> antisense
- <400> 12 tcagccagga ccaggctgtt 20
- <210> 13
- <211> 21
- <212> DNA

```
<213> Artificial Sequence
```

<220>

<223> HNF-4: sense

<400> 13 ccatggtgtt aaaggacgtg c 21

<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense

<400> 14 taggattcag atcccgagcc 20

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primers for GAPDH: sense

<400> 15 accacagtcc atgccatcac 20

```
<210> 16
```

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense

<400> 16 tccaccaccc tgttgctgta 20